Herring Tag Returns in British Columbia for the 1983-84 Herring Season

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ABSTRACT

Haegele, C. W. 1984. Herring tag returns in British Columbia for the 1983-84 herring season. Can. Data Rep. Fish. Aquat. Sci. 493: 27 p.

This report provides detailed information on the 184 herring tags returned during the 1983-84 herring season.

Key words: Pacific herring, tag returns

RÉSUMÉ

Haegele, C. W. 1984. Herring tag returns in British Columbia for the 1983-84 herring season. Can. Data Rep. Fish. Aquat. Sci. 493: 27 p.

Le présent rapport fournit des données détaillées sur les 184 étiquettes récupérées pendant la saison de pêche du hareng de 1983-1984.

Mots-clés: hareng du Pacifique, récupération d'étiquettes

INTRODUCTION

This report provides detailed information on herring tag returns from fisheries during the 1983-84 herring season (July 1, 1983 to June 30, 1984). Recoveries made prior to July 1, 1982 are tabulated in Haegele, et al. (1982a) and those made in the 1982-83 herring season in Haegele and Hop Wo (1983). Overall results and conclusions from the tagging program are published in the Industry Report series.

Separate tables are provided for taggings and fisheries for each of the following major geographical divisions of the coast:

North Coast (Statistical Areas 1 to 10)
Johnstone Strait (Statistical Areas 11 to 13)
Strait of Georgia (Statistical Areas 14 to 19)
West Coast of Vancouver Island (Statistical Areas 21 to 27)

The tagging seasons are spring and fall. Spring taggings were those made near spawning between February and April. Fall taggings were those made on aggregations of fish on feeding grounds offshore or in "holding areas" nearshore between September and January.

The fisheries of recapture are defined as follows:

Fishery	Period
Summer and Fall	July 1 to the beginning of the food fishery (to Dec. 1 in areas with no food fishery).
Food	Fisheries for food and bait regulated by openings and closures.
Winter	From the end of the food fishery (from Dec. 1 in areas with no food fishery) to the beginning of the roe fishery (to the beginning of spawning in areas with no roe fishery).
Roe	Fisheries for roe regulated by openings and closures, spawn-on-kelp fishing, charter vessel catches of roe herring, and any other catches made during the spawning period in an area.
Spring	From the conclusion of spawning in an area to June 30.

RESULTS

There were 184 tags recovered during the 1983-84 herring season and 1867 tags recovered since the beginning of the program. For each of the tag returns listed in Tables 2 to 10, the following information is given.

1. Map Ref. The map reference is a letter and number code that identifies the tagging location on a map. The letter refers to a map published in the relevant publication and the number identifies the position of the location on that map. For taggings during the 1979-80 season, the maps are published in Haegele (1981), for the 1980-81 season in Haegele et al. (1982b), for the 1981-82 in Haegele et al. (1982c), for the 1982-83 season in Haegele (1984), and for the 1983-84 season in Haegele (in prep).

2. Locality. The locality is the name of the point of land or body of water in closest proximity to the place of release or recovery and the locality names are compiled in Hourston and Hamer (1979).

3. Date. The date is the calendar date on which a tag was released or recovered. For recoveries for which the month but not the day of recovery was known, the day is given as "00".

4. Maturity. The stage of sexual maturity of the fish at tagging (for spring taggings only) is indicated by a two letter code.

Code	Description
IY	mostly immature, young (2-yr-old) fish
NY	large proportion of young (2- and 3-yr-old), nearly mature fish
MY	large proportion of young (2- and 3-yr-old), fully mature fish
NM	nearly mature fish that are two or more weeks from spawning
FM	fully mature fish that will spawn within 2 weeks
SP	spawning fish
ST	spent fish

5. Tag Mth. The tagging method indicates the type of fishing gear with which the fish were obtained for tagging and whether they were single or double tagged:
SN - seine, single tagged;
TR - trawl, single tagged;
PD - bait or spawn-on-kelp pond, single tagged;
DT - seine, double tagged.

6. Tag type. The length and color of the anchor tag, as described in Haegele et al. (1982b) is specified by tag type:
Long-I is 57 mm, international orange;
Short-Y is 40 mm, yellow;
Short-W is 40 mm, white;
Short-O is 40 mm, orange;
Short-I is 40 mm, international orange;
Short-P is 40 mm, pink; and
Short-G is 40 mm, green.

7. Fish Rel. This column shows the number of tagged fish of a given tag type released from the set or tow from which the recovered tag originated.

8. Fishery Type. The code, listed in Table 1, indicates the type of gear used and the fishery in which the tagged fish was recovered.

9. No. Tags. The number of tags recovered are shown in this column. These are summed by tagging set in the "taggings" tables and for fisheries and areas in the "fisheries" tables.

10. Days Out. The number of days a tagged fish has been at large are given.

REFERENCES

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Hourston, A. S. and J. M. Hamer. 1979. Definitions and codings of localities, sections, management units and divisions for British Columbia herring data. Fish. Mar. Serv. MS Rep. 1533: 91 p.

Table 1. Tag recoveries for the 1983-84 herring season by type of gear and fishery.

Code	Description	No. of Tags
Sn-Fo	Seine for food	1
Sn-Bt	Seine for bait	6
Sn-Pt	Seine by permit[1]	3
Tr-Pt	Trawl by permit[1]	51
Sn-Ro	Seine for roe	93
Gn-Ro	Gillnet for roe	12
Uk-Ro	Unknown gear for roe	12
Ms-Ms	Miscellaneous fisheries with miscellaneous gear	2
Sport	Sport fishing (jig)	4
TOTAL		184

[1]Permits are issued for charter payment, aquarium food, bait, ponding, etc.

Table 2. Tag recoveries in the 1983-84 herring season from North Coast taggings - by management area, tagging period, and tagging set. (Totals in parenthesis are for tags recovered in previous seasons.)

RELEASE							RECOVERY				
Map Ref.	Locality	Date D/M/Y	Mat.	Tag Mth.	Tag Type	Fish Rel.	Locality	Fishery Type	No. Tags	Date D/M/Y	Days Out
AREA 2-E		1981 SPRING TAGGING									
E7	Flamingo Inlet	27/03/81	SP	SN	Long - I	991	Section Cove	Sn-Ro	1 / 1 (+0)	12/03/84	1080
E21	Swan Bay	24/03/81	SP	SN	Long - I	492	Section Cove	Sn-Ro	2 / 2 (+1)	12/03/84	1083
AREA 3		1982 SPRING TAGGING									
C4	Wales Passage	13/03/82	FM	SN	Short- Y	400	Kitkatla Inlet	Sn-Ro	1 / 1 (+2)	21/03/84	738
AREA 5		1980 FALL TAGGING									
A1	Browning Entrance	06/12/80		SN	Long - I	989	Unknown Sec. 011	Ms-Ms	1 / 1 (+0)	22/08/83	989
		1981 SPRING TAGGING									
D8	Ness Islands	29/03/82	FM	SN	Long - I	789	Locality Unknown	UK-Ro	1 / 1 (+10)	00/03/84	701
AREA 7		1980 SPRING TAGGING									
C1	Weeteeam Bay	24/03/80	FM	SN	Long - I	1482	Central Coast	UK-Ro	1 / 1 (+0)	27/03/84	1463
C11	Shotbolt Bay	26/03/80	IY	SN	Long - I	987	Area 07, No Locality	Gn-Ro	1 / 1 (+0)	28/03/84	1462
		1981 SPRING TAGGING									
G16	Thompson Bay (Head)	20/03/81	FM	SN	Long - I	494	Higgins Passage	Sn-Ro	1 / 1 (+2)	16/03/84	1091

Table 3. Tag recoveries from North Coast fisheries in the 1983-84 herring season - by area, fishery, and date of recovery.

RECOVERY					RELEASE			
Locality	Fishery type	No. tags	Date D/M/Y	Days out	Map ref.	Locality	Date D/M/Y	Tag type
QUEEN CHARLOTTE ISLANDS				1983 SUMMER AND FALL FISHERY				
Unknown Sec. 011	Ms-Ms	1	22/08/83	989	A1	Browning Entrance	06/12/80	Long - I
Subtotal for fishery		1						
				1984 ROE FISHERY				
Section Cove	Sn-Ro	2	12/03/84	1083	E21	Swan Bay	24/03/81	Long - I
Section Cove	Sn-Ro	1	12/03/84	1080	E7	Flamingo Inlet	27/03/81	Long - I
Poole Inlet	Gn-Ro	1	14/03/84	740	E2	Pinnacle Rock	04/03/82	Long - I
Subtotal for fishery		4						
Area total for season		5						
AREA 5				1984 ROE FISHERY				
Kitkatla Inlet	Sn-Ro	1	21/03/84	738	C4	Wales Passage	13/03/82	Short- Y
Kitkatla Inlet	Sn-Ro	2	21/03/84	113	A8	Deepwater Bay	28/11/83	Short- Y
Kitkatla Inlet	Sn-Ro	1	21/03/84	112	A9	Deepwater Bay	29/11/83	Short- Y
Subtotal for fishery		4						
Area total for season		4						

Table 3 (cont'd)

RECOVERY					RELEASE			
Locality	Fishery type	No. tags	Date D/M/Y	Days out	Map ref.	Locality	Date D/M/Y	Tag type
AREA 7				1984 ROE FISHERY				
Area 07, No Locality	Gn-Ro	1	28/03/84	1462	C11	Shotbolt Bay	26/03/80	Long - I
Higgins Passage	Sn-Ro	1	16/03/84	1091	G16	Thompson Bay (Head)	20/03/81	Long - I
Subtotal for fishery		2						
Area total for season		2						
CENTRAL COAST (exact recovery location unknown)				1984 ROE FISHERY				
Central Coast	UK-Ro	1	27/03/84	1463	C1	Weeteeam Bay	24/03/80	Long - I
Subtotal for fishery		1						
Area total for season		1						

Table 4. Tag recoveries in the 1983-84 herring season from Johnstone Strait taggings - by management area, tagging period, and tagging set. (Totals in parenthesis are for tags recovered in previous seasons.)

RELEASE							RECOVERY				
Map Ref.	Locality	Date D/M/Y	Matur -ity	Tag Mth.	Tag Type	Fish Rel.	Locality	Fishery Type	No. Tags	Date D/M/Y	Days Out
AREA 13		1982 FALL TAGGING									
A2	Kanish Bay	10/11/82		SN	Long - I	499	Savary Island	Ms-Ms	1 / 1 (+3)	02/07/83	234
A3	Deepwater Bay	15/11/82		SN	Short- P	498	Sliammon Village	Sn-Ro	1 / 1 (+1)	04/03/84	474
A7	Deepwater Bay	22/11/82		SN	Short- I	499	Sliammon Village	Sn-Ro	1 / 1 (+7)	04/03/84	467
B5	Chonat Bay	23/11/82		SN	Short- O	499	Chrow Islands	Sn-Ro	1 / 1 (+0)	08/03/84	470
		1983 FALL TAGGING									
A1	Deepwater Bay	08/11/83		SN	Short- Y	499	Sliammon Village	Sn-Ro	2 / 2	04/03/84	116
A2	Deepwater Bay	08/11/83		SN	Short- Y	997	Tribune Bay	Gn-Ro	1	09/03/84	121
							Sliammon Village	Sn-Ro	4	04/03/84	116
							Strait of Georgia	UK-Ro	1	00/03/84	112
							Deepwater Bay	Sn-Bt	1 / 1	27/11/83	19

Table 4 (cont'd)

Map Ref.	Locality	RELEASE Date D/M/Y	Matur -ity	Tag Mth.	Tag Type	Fish Rel.	RECOVERY Locality	Fishery Type	No. Tags	Date D/M/Y	Days Out
AREA 13 (cont'd)		1983 FALL TAGGING (cont'd)									
A3	Deepwater Bay	09/11/83		SN	Short- Y	992	Sliammon Village	Sn-Ro	2	04/03/84	115
							Strait of Georgia	UK-Ro	1	00/03/84	111
									3		
A5	Deepwater Bay	18/11/83		SN	Short- Y	995	Tribune Bay	Gn-Ro	1	09/03/84	111
							Chrow Islands	Sn-Ro	1	08/03/84	110
							Sliammon Village	Sn-Ro	1	04/03/84	106
									3		
A6	Deepwater Bay	18/11/83		SN	Short- Y	1465	Sliammon Village	Sn-Ro	3	04/03/84	106
									3		
A7	Deepwater Bay	28/11/83		SN	Short- Y	1971	Tribune Bay	Gn-Ro	3	09/03/84	101
							Chrow Islands	Sn-Ro	1	08/03/84	100
							Sliammon Village	Sn-Ro	12	04/03/84	96
							Strait of Georgia	UK-Ro	1	00/03/84	92
									17		
A8	Deepwater Bay	28/11/83		SN	Short- Y	1477	Kitkatla Inlet	Sn-Ro	2	21/03/84	113
							Chrow Islands	Sn-Ro	1	08/03/84	100
							Sliammon Village	Sn-Ro	8	04/03/84	96
									11		

Table 4 (cont'd)

Map Ref.	Locality	RELEASE Date D/M/Y	Mat.	Tag Mth.	Tag Type	Fish Rel.	RECOVERY Locality	Fishery Type	No. Tags	Date D/M/Y	Days Out
AREA 13 (cont'd)		1983 FALL TAGGING (cont'd)									
A9	Deepwater Bay	29/11/83		SN	Short-	Y 1950	Kitkatla Inlet	Sn-Ro	1	21/03/84	112
							Sliammon Village	Sn-Ro	13	04/03/84	95
							Sliammon Village	Sn-Ro	1	02/03/84	93
									15		
A10	Deepwater Bay	29/11/83		SN	Short-	Y 868	Lambert Channel	Gn-Ro	1	11/03/84	102
							Tribune Bay	Gn-Ro	1	09/03/84	100
							Sliammon Village	Sn-Ro	2	04/03/84	95
							Strait of Georgia	UK-Ro	1	00/03/84	91
							Locality Unknown	UK-Ro	1	00/03/84	91
									6		
A11	Kanish Bay	09/11/83		SN	Short-	Y 497	Sliammon Village	Sn-Ro	1	04/03/84	115
									1		
B1	Chonat Bay	21/11/83		SN	Short-	Y 1470	Sliammon Village	Sn-Ro	1	04/03/84	103
									1		
B2	Chonat Bay	21/11/83		SN	Short-	Y 1468	Sliammon Village	Sn-Ro	2	04/03/84	103
									2		

Table 5. Tag recoveries from Johnstone Strait fisheries in the 1983-84 herring season - by area, fishery, and date of recovery.

RECOVERY					RELEASE			
Locality	Fishery type	No. tags	Date D/M/Y	Days out	Map ref.	Locality	Date D/M/Y	Tag type
AREA 13				1983 SUMMER AND FALL FISHERY				
Deepwater Bay	Sn-Bt	1	27/11/83	19	A2	Deepwater Bay	08/11/83	Short- Y
Subtotal for fishery		1						
Area total for season		1						

Table 6. Tag recoveries in the 1983-84 herring season from Strait of Georgia taggings - by management area, tagging period, and tagging set. (Totals in parenthesis are for tags recovered in previous seasons.)

RELEASE							RECOVERY				
Map Ref.	Locality	Date D/M/Y	Mat.	Tag Mth.	Tag Type	Fish Rel.	Locality	Fishery Type	No. Tags	Date D/M/Y	Days Out
AREA 15		1983 SUMMER TAGGING									
H1	Bargain Bay	12/06/83		SN	Short- O	976	Bargain Bay	Sn-Bt	1	15/08/83	64
							Bargain Bay	Sn-Bt	1	18/07/83	36
							Bargain Bay	Sn-Bt	3	00/07/83	18
									5 (+0)		
AREA 14		1981 SPRING TAGGING									
J16	Parksville	09/03/81	ST	SN	Long - I	490	Vancouver Harbour	Sport	1	00/03/84	1086
									1 (+1)		
AREA 17-S		1981 FALL TAGGING									
B5	Ruxton Pass	02/12/81		SN	Long - I	1997	Vancouver Harbour	Sport	1	00/03/84	818
									1 (+29)		
B11	Danger Reefs	09/11/81		SN	Long - I	499	Vancouver Harbour	Sport	1	00/03/84	841
									1 (+31)		
B13	Danger Reefs	16/11/81		SN	Long - I	996	Sliammon Village	Sn-Ro	1	04/03/84	838
									1 (+46)		

Table 6 (cont'd)

Map Ref.	Locality	RELEASE Date D/M/Y	Matur -ity	Tag Mth.	Tag Type	Fish Rel.	RECOVERY Locality	Fishery Type	No. Tags	Date D/M/Y	Days Out
AREA 17-S (cont'd)		1982 FALL TAGGING									
C2	Secretary Islands	23/11/82		SN	Long - I	450	Locality Unknown	Uk-Ro	1 / 1 (+22)	00/03/84	462
C4	Wallace Island	28/11/82		SN	Long - I	496	Lambert Channel	Gn-Ro	1 / 1 (+15)	11/03/84	468
C8	Yellow Point	09/11/82		SN	Short- Y	499	Porlier Pass	Tr-Pt	1 / 1 (+21)	00/01/84	417
C12	De Courcy Island	18/11/82		SN	Short- P	1000	Sliammon Village	Sn-Ro	1 / 1 (+21)	02/03/84	469
C20	De Courcy Island	08/12/82		SN	Short- O	988	Locality Unknown	Uk-Ro	1 / 1 (+5)	00/03/84	447
		1983 FALL TAGGING									
C1	Danger Reefs	22/11/83		SN	Short- Y	994	Swanson Channel	Tr-Pt	1	11/01/84	50
							Trincomali Channel	Tr-Pt	2	16/12/83	24
							Porlier Pass	Sn-Fo	1 / 4	30/11/83	8

Table 6 (cont'd)

RELEASE							RECOVERY				
Map Ref.	Locality	Date D/M/Y	Matur -ity	Tag Mth.	Tag Type	Fish Rel.	Locality	Fishery Type	No. Tags	Date D/M/Y	Days Out
AREA 17-S (cont'd)		1983 FALL TAGGING (cont'd)									
C2	Boulder Point	23/11/83		SN	Short- Y	991	De Courcy Island	Sn-Ko	2	05/03/84	102
							Trincomali Channel	Tr-Pt	2	16/12/83	23
									4		
C3	Boat Harbour	05/12/83		SN	Short- Y	1440	Sliammon Village	Sn-Ko	1	04/03/84	89
							Swanson Channel	Tr-Pt	2	11/01/84	37
							Unknown Sec. 191	Sn-Pt	1	10/01/84	36
							Porlier Pass	Tr-Pt	1	00/01/84	26
									5		
C5	Ruxton Pass	13/12/83		SN	Short- Y	970	Wise Island	Tr-Pt	2	10/01/84	28
									2		
C6	Ruxton Pass	13/12/83		SN	Short- Y	975	Wise Island	Tr-Pt	1	10/01/84	28
									1		
C7	Ruxton Pass	14/12/83		SN	Short- Y	1456	Walker Rock	Tr-Pt	1	08/02/84	56
							Porlier Pass	Tr-Pt	1	00/01/84	17
									2		
C9	Boat Harbour	15/12/83		SN	Short- Y	1474	Porlier Pass	Tr-Pt	2	00/01/84	16
									2		

Table 6 (cont'd)

Map Ref.	Locality	RELEASE Date D/M/Y	Matur -ity	Tag Mth.	Tag Type	Fish Rel.	RECOVERY Locality	Fishery Type	No. Tags	Date D/M/Y	Days Out
AREA 17-S (cont'd)		1983 FALL TAGGING (cont'd)									
D1	Parker Island	06/12/83		SN	Short-	Y 500	Sliammon Village	Sn-Ro	1	04/03/84	88
							Swanson Channel	Tr-Pt	1	11/01/84	36
							Wise Island	Tr-Pt	2	10/01/84	35
									4		
D2	Parker Island	06/12/83		SN	Short-	Y 997	Plumper Sound	Tr-Pt	1	10/02/84	66
							Wise Island	Tr-Pt	2	10/01/84	35
									3		
D3	Parker Island	06/12/83		SN	Short-	Y 955	Sliammon Village	Sn-Ro	2	04/03/84	88
							Swanson Channel	Tr-Pt	1	11/01/84	36
							Wise Island	Tr-Pt	2	10/01/84	35
							Unknown Sec. 191	Sn-Pt	1	10/01/84	35
							Trincomali Channel	Tr-Pt	1	16/12/83	10
									7		
D4	Parker Island	06/12/83		SN	Short-	Y 1000	Trincomali Channel	Tr-Pt	1	16/12/83	10
									1		
D5	Parker Island	07/12/83		SN	Short-	Y 988	Sliammon Village	Sn-Ro	1	04/03/84	87
							Swanson Channel	Tr-Pt	1	10/02/84	65
							Wise Island	Tr-Pt	4	10/01/84	34
							Porlier Pass	Tr-Pt	1	00/01/84	24
									7		

Table 6 (cont'd)

RELEASE							RECOVERY				
Map Ref.	Locality	Date D/M/Y	Mat.	Tag Mth.	Tag Type	Fish Rel.	Locality	Fishery Type	No. Tags	Date D/M/Y	Days Out
AREA 17-S (cont'd)		1983 FALL TAGGING (cont'd)									
D6	Parker Island	07/12/83		SN	Short- Y	1495	Tribune Bay	Gn-Ro	1	09/03/84	92
							De Courcy Island	Sn-Ro	1	05/03/84	88
							Sliammon Village	Sn-Ro	3	04/03/84	87
							Active Pass	Sport	1	01/03/84	84
							Walker Rock	Tr-Pt	4	08/02/84	63
							Swanson Channel	Tr-Pt	1	11/01/84	35
							Wise Island	Tr-Pt	1	10/01/84	34
									12		
D7	Montague Harbour	15/12/83		SN	Short- Y	1993	Sliammon Village	Sn-Ro	1	04/03/84	79
							Walker Rock	Tr-Pt	5	08/02/84	55
							Wise Island	Tr-Pt	4	10/01/84	26
							Unknown Sec. 191	Sn-Pt	1	10/01/84	26
									11		
D8	Montague Harbour	16/12/83		SN	Short- Y	999	Sliammon Village	Sn-Ro	1	04/03/84	78
							Plumper Sound	Tr-Pt	1	10/02/84	56
							Wise Island	Tr-Pt	2	10/01/84	25
									4		
AREA 18		1981 SPRING TAGGING									
J33	Portlock Point	04/03/81	MY	SN	Long - I	493	Tribune Bay	Gn-Ro	1	09/03/84	1100
							Strait of Georgia	UK-Ro	1	00/03/84	1091
									2		

Table 7. Tag recoveries from Strait of Georgia fisheries in the 1983-84 herring season - by area, fishery, and date of recovery.

RECOVERY					RELEASE			
Locality	Fishery type	No. tags	Date D/M/Y	Days out	Map ref.	Locality	Date D/M/Y	Tag type
AREA 15				1983 SUMMER FISHERY				
Savary Island	Ms-Ms	1	02/07/83	234	A2	Kanish Bay	10/11/82	Long - I
Subtotal for fishery		1						
				1984 ROE FISHERY				
Sliammon Village	Sn-Ro	1	02/03/84	93	A9	Deepwater Bay	29/11/83	Short- Y
Sliammon Village	Sn-Ro	1	04/03/84	838	B13	Danger Reefs	16/11/81	Long - I
Sliammon Village	Sn-Ro	1	04/03/84	474	A3	Deepwater Bay	15/11/82	Short- P
Sliammon Village	Sn-Ro	1	02/03/84	469	C12	De Courcy Island	18/11/82	Short- P
Sliammon Village	Sn-Ro	1	04/03/84	467	A7	Deepwater Bay	22/11/82	Short- I
Sliammon Village	Sn-Ro	1	04/03/84	362	G1	Anderson Point	07/03/83	Short- Y
Sliammon Village	Sn-Ro	2	04/03/84	116	A1	Deepwater Bay	08/11/83	Short- Y
Sliammon Village	Sn-Ro	4	04/03/84	116	A2	Deepwater Bay	08/11/83	Short- Y
Sliammon Village	Sn-Ro	2	04/03/84	115	A3	Deepwater Bay	09/11/83	Short- Y
Sliammon Village	Sn-Ro	1	04/03/84	115	A11	Kanish Bay	09/11/83	Short- Y
Sliammon Village	Sn-Ro	1	04/03/84	106	A5	Deepwater Bay	18/11/83	Short- Y
Sliammon Village	Sn-Ro	3	04/03/84	106	A6	Deepwater Bay	18/11/83	Short- Y
Sliammon Village	Sn-Ro	1	04/03/84	103	B1	Chonat Bay	21/11/83	Short- Y
Sliammon Village	Sn-Ro	2	04/03/84	103	B2	Chonat Bay	21/11/83	Short- Y
Sliammon Village	Sn-Ro	12	04/03/84	96	A7	Deepwater Bay	28/11/83	Short- Y
Sliammon Village	Sn-Ro	8	04/03/84	96	A8	Deepwater Bay	28/11/83	Short- Y
Sliammon Village	Sn-Ro	13	04/03/84	95	A9	Deepwater Bay	29/11/83	Short- Y
Sliammon Village	Sn-Ro	2	04/03/84	95	A10	Deepwater Bay	29/11/83	Short- Y

Table 7 (cont'd)

RECOVERY					RELEASE			
Locality	Fishery type	No. tags	Date D/M/Y	Days out	Map ref.	Locality	Date D/M/Y	Tag type
AREA 15 (cont'd)				1984 ROE FISHERY (cont'd)				
Sliammon Village	Sn-Ro	1	04/03/84	89	C3	Boat Harbour	05/12/83	Short- Y
Sliammon Village	Sn-Ro	1	04/03/84	88	D1	Parker Island	06/12/83	Short- Y
Sliammon Village	Sn-Ro	2	04/03/84	88	D3	Parker Island	06/12/83	Short- Y
Sliammon Village	Sn-Ro	1	04/03/84	87	D5	Parker Island	07/12/83	Short- Y
Sliammon Village	Sn-Ro	3	04/03/84	87	D6	Parker Island	07/12/83	Short- Y
Sliammon Village	Sn-Ro	1	04/03/84	79	D7	Montague Harbour	15/12/83	Short- Y
Sliammon Village	Sn-Ro	1	04/03/84	78	D8	Montague Harbour	16/12/83	Short- Y
Subtotal for fishery		66						
Area total for season		67						
AREA 16				1983 SUMMER AND FALL FISHERY				
Bargain Bay	Sn-Bt	1	15/08/83	64	H1	Bargain Bay	12/06/83	Short- U
Bargain Bay	Sn-Bt	1	18/07/83	36	H1	Bargain Bay	12/06/83	Short- U
Bargain Bay	Sn-Bt	3	00/07/83	18	H1	Bargain Bay	12/06/83	Short- U
Subtotal for fishery		5						
Area total for season		5						

Table 7 (cont'd)

RECOVERY					RELEASE			
Locality	Fishery type	No. tags	Date D/M/Y	Days out	Map ref.	Locality	Date D/M/Y	Tag type
AREA 14				1984 ROE FISHERY				
Tribune Bay	Gn-Ro	1	09/03/84	1100	J33	Portlock Point	04/03/81	Long - I
Tribune Bay	Gn-Ro	1	09/03/84	121	A2	Deepwater Bay	08/11/83	Short- Y
Tribune Bay	Gn-Ro	1	09/03/84	111	A5	Deepwater Bay	18/11/83	Short- Y
Tribune Bay	Gn-Ro	2	09/03/84	101	A7	Deepwater Bay	28/11/83	Short- Y
Tribune Bay	Gn-Ro	1	09/03/84	101	A7	Deepwater Bay	28/11/83	Short- Y
Tribune Bay	Gn-Ro	1	09/03/84	100	A10	Deepwater Bay	29/11/83	Short- Y
Tribune Bay	Gn-Ro	1	09/03/84	92	D6	Parker Island	07/12/83	Short- Y
Lambert Channel	Gn-Ro	1	11/03/84	468	C4	Wallace Island	28/11/82	Long - I
Lambert Channel	Gn-Ro	1	11/03/84	102	A10	Deepwater Bay	29/11/83	Short- Y
Subtotal for fishery		10						
Area total for season		10						
AREA 17-S				1983 FOOD FISHERY				
Porlier Pass	Sn-Fo	1	30/11/83	8	C1	Danger Reefs	22/11/83	Short- Y
Subtotal for fishery		1						

Table 7 (cont'd)

RECOVERY					RELEASE			
Locality	Fishery type	No. tags	Date D/M/Y	Days out	Map ref.	Locality	Date D/M/Y	Tag type
AREA 17-S (cont'd)				1983-84 WINTER FISHERY				
Trincomali Channel	Tr-Pt	2	16/12/83	24	C1	Danger Reefs	22/11/83	Short- Y
Trincomali Channel	Tr-Pt	2	16/12/83	23	C2	Boulder Point	23/11/83	Short- Y
Trincomali Channel	Tr-Pt	1	16/12/83	10	D3	Parker Island	06/12/83	Short- Y
Trincomali Channel	Tr-Pt	1	16/12/83	10	D4	Parker Island	06/12/83	Short- Y
Porlier Pass	Tr-Pt	1	00/01/84	417	C8	Yellow Point	09/11/82	Short- Y
Porlier Pass	Tr-Pt	1	00/01/84	26	C3	Boat Harbour	05/12/83	Short- Y
Porlier Pass	Tr-Pt	1	00/01/84	24	D5	Parker Island	07/12/83	Short- Y
Porlier Pass	Tr-Pt	1	00/01/84	17	C7	Ruxton Pass	14/12/83	Short- Y
Porlier Pass	Tr-Pt	2	00/01/84	16	C9	Boat Harbour	15/12/83	Short- Y
Wise Island	Tr-Pt	2	10/01/84	35	D1	Parker Island	06/12/83	Short- Y
Wise Island	Tr-Pt	2	10/01/84	35	D2	Parker Island	06/12/83	Short- Y
Wise Island	Tr-Pt	2	10/01/84	35	D3	Parker Island	06/12/83	Short- Y
Wise Island	Tr-Pt	4	10/01/84	34	D5	Parker Island	07/12/83	Short- Y
Wise Island	Tr-Pt	1	10/01/84	34	D6	Parker Island	07/12/83	Short- Y
Wise Island	Tr-Pt	2	10/01/84	28	C5	Ruxton Pass	13/12/83	Short- Y
Wise Island	Tr-Pt	1	10/01/84	28	C6	Ruxton Pass	13/12/83	Short- Y
Wise Island	Tr-Pt	4	10/01/84	26	D7	Montague Harbour	15/12/83	Short- Y
Wise Island	Tr-Pt	2	10/01/84	25	D8	Montague Harbour	16/12/83	Short- Y
Walker Rock	Tr-Pt	4	08/02/84	63	D6	Parker Island	07/12/83	Short- Y
Walker Rock	Tr-Pt	1	08/02/84	56	C7	Ruxton Pass	14/12/83	Short- Y
Walker Rock	Tr-Pt	5	08/02/84	55	D7	Montague Harbour	15/12/83	Short- Y
Subtotal for fishery		42						

Table 7 (cont'd)

RECOVERY					RELEASE			
Locality	Fishery type	No. tags	Date D/M/Y	Days out	Map ref.	Locality	Date D/M/Y	Tag type
AREA 17-S (cont'd)				1984 ROE FISHERY				
De Courcy Island	Sn-Ro	2	05/03/84	102	C2	Boulder Point	23/11/83	Short- Y
De Courcy Island	Sn-Ro	1	05/03/84	88	D6	Parker Island	07/12/83	Short- Y
Subtotal for fishery		3						
Area total for season		46						
AREA 18				1983-84 WINTER FISHERY				
Swanson Channel	Tr-Pt	1	11/01/84	50	C1	Danger Reefs	22/11/83	Short- Y
Swanson Channel	Tr-Pt	2	11/01/84	37	C3	Boat Harbour	05/12/83	Short- Y
Swanson Channel	Tr-Pt	1	11/01/84	36	D1	Parker Island	06/12/83	Short- Y
Swanson Channel	Tr-Pt	1	11/01/84	36	D3	Parker Island	06/12/83	Short- Y
Swanson Channel	Tr-Pt	1	11/01/84	35	D6	Parker Island	07/12/83	Short- Y
Plumper Sound	Tr-Pt	1	10/02/84	66	D2	Parker Island	06/12/83	Short- Y
Swanson Channel	Tr-Pt	1	10/02/84	65	D5	Parker Island	07/12/83	Short- Y
Plumper Sound	Tr-Pt	1	10/02/84	56	D8	Montague Harbour	16/12/83	Short- Y
Active Pass	Sport	1	01/03/84	84	D6	Parker Island	07/12/83	Short- Y
Subtotal for fishery		10						
Area total for season		10						

Table 7 (cont'd)

RECOVERY					RELEASE			
Locality	Fishery type	No. tags	Date D/M/Y	Days out	Map ref.	Locality	Date D/M/Y	Tag type
AREA 19				1983-84 WINTER FISHERY				
Unknown Sec. 191	Sn-Pt	1	10/01/84	36	C3	Boat Harbour	05/12/83	Short- Y
Unknown Sec. 191	Sn-Pt	1	10/01/84	35	D3	Parker Island	06/12/83	Short- Y
Unknown Sec. 191	Sn-Pt	1	10/01/84	26	D7	Montague Harbour	15/12/83	Short- Y
Subtotal for fishery		3						
Area total for season		3						
AREA 28				1983-84 WINTER FISHERY				
Vancouver Harbour	Sport	1	00/03/84	1086	J16	Parksville	09/03/81	Long - I
Vancouver Harbour	Sport	1	00/03/84	841	B11	Danger Reefs	09/11/81	Long - I
Vancouver Harbour	Sport	1	00/03/84	818	B5	Ruxton Pass	02/12/81	Long - I
Subtotal for fishery		3						
Area total for season		3						
STRAIT OF GEORGIA (exact recovery location unknown)				1984 ROE FISHERY				
Strait of Georgia	UK-Ro	1	00/03/84	1091	J33	Portlock Point	04/03/81	Long - I
Strait of Georgia	UK-Ro	1	00/03/84	112	A2	Deepwater Bay	08/11/83	Short- Y
Strait of Georgia	UK-Ro	1	00/03/84	111	A3	Deepwater Bay	09/11/83	Short- Y
Strait of Georgia	UK-Ro	1	00/03/84	92	A7	Deepwater Bay	28/11/83	Short- Y
Strait of Georgia	UK-Ro	1	00/03/84	91	A10	Deepwater Bay	29/11/83	Short- Y
Subtotal for fishery		5						
Area total for season		5						

Table 8. Tag recoveries in the 1983-84 herring season from west coast of Vancouver Island taggings - by management area, tagging period, and tagging set. (Totals in parenthesis are for tags recovered in previous seasons.)

RELEASE							RECOVERY				
Map Ref.	Locality	Date D/M/Y	Mat.	Tag Mth.	Tag Type	Fish Rel.	Locality	Fishery Type	No. Tags	Date D/M/Y	Days Out
AREA 23		1981 FALL TAGGING									
A10	Loudoun Canyon	13/09/81		TR	Long - I	750	Chrow Islands	Sn-Ro	1	08/03/84	906
									1 (+1)		
		1982 SPRING TAGGING									
E2	Pinnacle Rock	04/03/82	FM	SN	Long - I	783	Poole Inlet	Gn-Ro	1	14/03/84	740
				SN	Long - I	783	Chrow Islands	Sn-Ro	1	08/03/84	734
				SN	Short- W	393	Chrow Islands	Sn-Ro	1	08/03/84	734
									3 (+16)		
E8	Chrow Islands	03/03/82	FM	SN	Long - I	893	Chrow Islands	Sn-Ro	1	08/03/84	735
									1 (+20)		
E12	Lyall Point	20/02/82	FM	SN	Short- O	424	Chrow Islands	Sn-Ro	1	08/03/84	746
									1 (+17)		
		1983 SPRING TAGGING									
E3	St. Ines Island	26/02/83		SN	Long - I	995	Chrow Islands	Sn-Ro	2	08/03/84	375
									2 (+29)		
E4	Shears Islands	27/02/83		SN	Long - I	999	Chrow Islands	Sn-Ro	1	08/03/84	374
							Locality Unknown	UK-Ro	1	00/03/84	365
									2 (+30)		

Table 8 (cont'd)

RELEASE							RECOVERY				
Map Ref.	Locality	Date D/M/Y	Mat.	Tag Mth.	Tag Type	Fish Rel.	Locality	Fishery Type	No. Tags	Date D/M/Y	Days Out
AREA 24		1983 SPRING TAGGING									
F4	Maurus Channel	04/03/83		SN	Short- G	1475	Chrow Islands	Sn-Ro	1	08/03/84	369
									1 (+0)		
F5	Hecate Bay	04/03/83		SN	Short- I	1485	Chrow Islands	Sn-Ro	1	08/03/84	369
									1 (+0)		
AREA 25		1983 SPRING TAGGING									
G1	Anderson Point	07/03/83		SN	Short- Y	718	Chrow Islands	Sn-Ro	1	08/03/84	366
							Sliammon Village	Sn-Ro	1	04/03/84	362
									2 (+0)		
AREA 27		1983 SPRING TAGGING									
G5	Winter Harbour	13/03/83		PD	Short- G	1757	Locality Unknown	UK-Ro	1	00/03/84	352
									1 (+0)		

Table 9. Tag recoveries from fisheries on the west coast of Vancouver Island in the 1983-84 herring season - by area, fishery, and date of recovery.

RECOVERY					RELEASE			
Locality	Fishery type	No. tags	Date D/M/Y	Days out	Map ref.	Locality	Date D/M/Y	Tag type
AREA 23				1984 ROE FISHERY				
Chrow Islands	Sn-Ro	1	08/03/84	906	A10	Loudoun Canyon	13/09/81	Long - I
Chrow Islands	Sn-Ro	1	08/03/84	746	E12	Lyall Point	20/02/82	Short- U
Chrow Islands	Sn-Ro	1	08/03/84	735	E8	Chrow Islands	03/03/82	Long - I
Chrow Islands	Sn-Ro	1	08/03/84	734	E2	Pinnacle Rock	04/03/82	Short- W
Chrow Islands	Sn-Ro	1	08/03/84	734	E2	Pinnacle Rock	04/03/82	Long - I
Chrow Islands	Sn-Ro	1	08/03/84	470	B5	Chonat Bay	23/11/82	Short- U
Chrow Islands	Sn-Ro	2	08/03/84	375	E3	St. Ines Island	26/02/83	Long - I
Chrow Islands	Sn-Ro	1	08/03/84	374	E4	Shears Islands	27/02/83	Long - I
Chrow Islands	Sn-Ro	1	08/03/84	369	F4	Maurus Channel	04/03/83	Short- G
Chrow Islands	Sn-Ro	1	08/03/84	369	F5	Hecate Bay	04/03/83	Short- I
Chrow Islands	Sn-Ro	1	08/03/84	366	G1	Anderson Point	07/03/83	Short- Y
Chrow Islands	Sn-Ro	1	08/03/84	110	A5	Deepwater Bay	18/11/83	Short- Y
Chrow Islands	Sn-Ro	1	08/03/84	100	A7	Deepwater Bay	28/11/83	Short- Y
Chrow Islands	Sn-Ro	1	08/03/84	100	A8	Deepwater Bay	28/11/83	Short- Y
Subtotal for fishery		15						
Area total for season		15						

Table 10. Tag recoveries from fisheries in the 1983-84 herring season for which there was no recovery location information available.

RECOVERY					RELEASE			
Locality	Fishery type	No. tags	Date D/M/Y	Days out	Map ref.	Locality	Date D/M/Y	Tag type
RECOVERY LOCATION UNKNOWN				1984 ROE FISHERY				
Locality Unknown	UK-Ro	1	00/03/84	701	D8	Ness Islands	29/03/82	Long - I
Locality Unknown	UK-Ro	1	00/03/84	462	C2	Secretary Islands	23/11/82	Long - I
Locality Unknown	UK-Ro	1	00/03/84	447	C20	De Courcy Island	08/12/82	Short- U
Locality Unknown	UK-Ro	1	00/03/84	366	E4	Shears Islands	27/02/83	Long - I
Locality Unknown	UK-Ro	1	00/03/84	352	G5	Winter Harbour	13/03/83	Short- G
Locality Unknown	UK-Ro	1	00/03/84	91	A10	Deepwater Bay	29/11/83	Short- Y
Subtotal for fishery		6						
Area total for season		6						